

**H.R. 250, Manufacturing Technology Competitiveness Act of 2005, as amended at
Subcommittee
Section-by-Section Analysis (By Title and Section)**

Section 1: Short title

“Manufacturing Technology Competitiveness Act of 2005”

Section 2: Interagency Committee, Advisory Committee

Directs the President to establish or designate an Interagency Committee on Manufacturing Research and Development. The Interagency Committee would be assisted by an Advisory Committee representing non-governmental interests to provide the Interagency Committee with input to and reviews of Federal manufacturing R&D activities.

Section 3: Collaborative Manufacturing Research Pilot Grants

Amends the NIST Act by creating a new Section 33 that establishes a pilot grant program within NIST that would fund research partnerships between firms, community colleges, universities, research institutions, State agencies, and non-profits to develop innovative manufacturing technologies. The Federal share of a partnership’s costs could not exceed one-third.

Section 4: Manufacturing Fellowship Program

Amends Section 18 of the NIST Act to establish a postdoctoral and senior research fellowship program in the manufacturing sciences at NIST.

Section 5: Manufacturing Extension

Amends Section 25(c)(5) of the NIST Act by adding language to codify the existing MEP center review process, and by establishing a probationary period and re-competition schedule for centers that cannot perform. Also amends the Act to allow the MEP program to accept funds from other federal agencies and private sources without requiring matching funds or fees from the Centers. Amends Section 25 of the NIST Act by adding language at the end of that section creating a new competitive grant program under MEP to provide funding for innovative MEP-related projects.

Section 6: Scientific, Technical, and Research Services

Authorizes appropriations for the laboratory accounts at NIST at \$426.2 million in FY 2006, \$447.5 million in FY 2007, and \$457.0 million in FY 2008. The authorization for FY 2006 is divided as follows: \$50.8 million for Electronics and Electrical Engineering; \$28.0 million for Manufacturing Engineering; \$52.4 million for Chemical Science and Technology; \$46.7 million for Physics; \$33.5 million for Material Science and Engineering; \$24.3 million for Building and Fire Research; \$68.4 million for Computer Science and Applied Mathematics, \$20.1 million for Technical Assistance, \$48.3 million for Research Support Activities, \$29.3 million for the NIST Center for Neutron Research, and \$18.5 for the National Nanotechnology and Nanometrology Facility.

Authorizes appropriations for the Malcolm Baldrige National Quality Award at \$5.6 million in FY 2006, \$5.7 million in FY 2007, and \$5.9 million in FY 2008.

Authorizes \$58.9 million for the NIST Construction Account in 2006, increasing to \$61.8 million in FY 2007 and \$63.4 million In FY 2008.

Directs the Secretary of Commerce to submit reports to Congress on the impact of the proposed elimination of the Advanced Technology Program on NIST's laboratory programs, and how these impacts could be mitigated.

Section 7: Standards Education Program

Establishes a Standards Education Program as part of the Teacher Science and Technology Enhancement Institute Program at NIST. The program shall award grants on a cost-shared basis to institutions of higher education to develop curricula on the role of standards in engineering, business, science, and economics. Authorizes appropriations for this purpose of \$773,000 for FY 2006, \$795,000 for FY 2007, and \$820,000 for FY 2008.

Section 8: Authorization of Appropriations

Authorizes for the MEP program \$110 million for FY 2006, of which not more than \$4 million shall be for the competitive grant program established by section 5 of H.R. 3598; \$115 million for FY 2007, of which not more than \$4.1 million shall be for the competitive grant program; and \$120 million for FY 2008.

Authorizes for the collaborative manufacturing pilot grant program under section 3, \$10 million per year for FY 2006, FY 2007, and FY 2008.

Authorizes for the fellowship program under section 4, \$1.5 million for FY 2006, \$1.75 million for FY 2007, and \$2 million for FY 2008.